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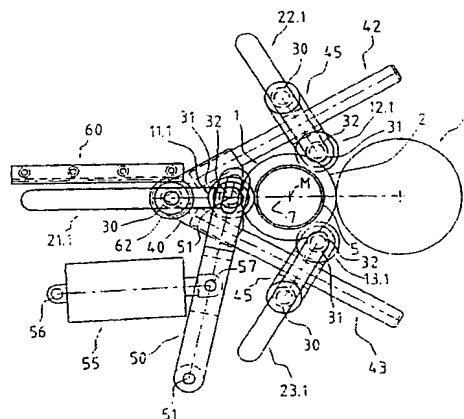
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(54) Title: PRINTING CYLINDER SUPPORTING UNIT, USE OF PRINTING CYLINDER SUPPORTING UNIT, AND PRINTING MACHINE PROVIDED WITH PRINTING CYLINDER SUPPORTING UNIT



(57) Abstract: Printing cylinder supporting unit for a printing machine, with a supporting frame (27) and supporting means mounted on said supporting frame for rotatably supporting one of several printing cylinders (1), which are designed so that in the operating state they make contact along a contact line (6) with a substrate (3) that is to be printed, which printing cylinders (1) can have different diameters, the supporting means comprising at least three supporting bearings (11.1, 12.1, 13.1), each of which interacts at the position of a bearing point with the bearing surface (5) of a bearing ring fixed concentrically on the printing cylinder (1). The bearing points lie on a common circle with variable diameter. The supporting bearings are movable in such a way that the bearing points move along lines that have a fixed position relative to the supporting frame (27), which lines intersect each other at a fixed reference point lying on the same common circle and in the operating state lying in a plane that is defined by the contact line (6) and the centre point of the common circle.